

Claims

Amended Claims

- 1) A composition, useful for wet bonding, comprising:
 - a) at least one aqueous poly (acrylic) dispersion having a glass transition temperature in a range of from -40 degrees centigrade to -59 degrees centigrade; and
 - b) at least one aqueous poly (acrylic) dispersion having a glass transition temperature in a range of -60 degrees centigrade to -80 degrees centigrade.
- 2) The composition as described in claim 1, wherein the major glass transition temperature from each dissimilar dispersion has a difference of at least about 10 degrees centigrade.
- 3) The composition as described in claim 1, having wet tack greater than about 1 pinch point pressure unit.
- 4) The composition as described in claim 1, having wet cohesion greater than about 2 pinch point pressure units.
- 5) The composition as described in claim 1, having a shear adhesion failure temperature greater than about 100 degrees centigrade.
- 6) The composition as described in claim 1, having a peel adhesion failure temperature greater than about 30 degrees centigrade.
- 7) The composition as described in claim 1, wherein said poly (acrylic) is formed from at least one free-radical polymerizable ethylenically

unsaturated monomer selected from the group consisting of 2-ethylhexyl acrylate, isooctyl acrylate, and isobornyl acrylate.

- 8) The composition as described in claim 7, wherein the free-radically polymerized monomer comprises at least about 85 percent of the poly (acrylic) dispersion based on solids.
- 9) The composition as described in claim 1, wherein said dispersion comprises at least one anionic surfactant.
- 10) The composition as described in claim 9, wherein said surfactant is sodium dodecyl benzene sulfonic acid.
- 11) The composition as described in claim 10, wherein said surfactant is present in a range of from about 0.3 percent by weight to about 0.7 percent by weight based on total solids.
- 12) The composition as described in claim 1, having a pH in a range of from about 2 to about 6.
- 13) The composition as described in claim 1, having solids content in a range of from about 50 percent by weight to about 60 percent by weight.
- 14) The composition as described in claim 1, having a viscosity in a range of from about 20 centipoise to about 2,000 centipoise.
- 15) The composition as described in claim 1, having a number average particle size distribution in a range of from about 0.1 micron to about 2 microns.

- 16) The composition as described in claim 1, having a volume average particle size distribution in a range of from about 0.4 micron to about 5 micron.
- 17) The composition as described in claim 1, having a volatile organic content less than about 1 gram per liter based on environmental protection agency test method number twenty-four.